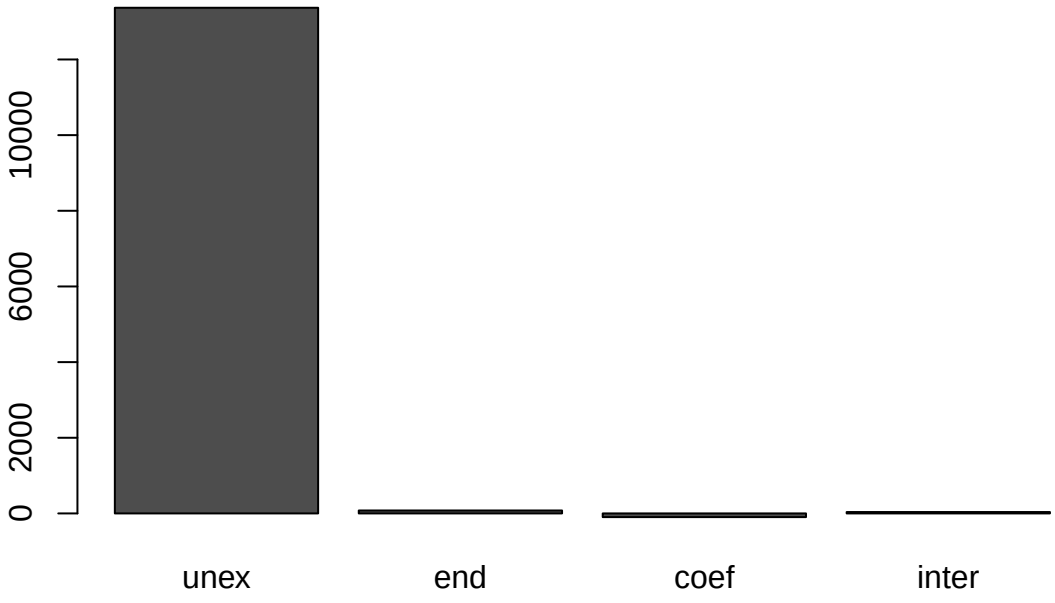
PDF RENDERIZATION OF Example.R OUTPUT

```r
# Example usage of OaxacaSurvey

# Load required packages

library(OaxacaSurvey) # latest version of this package

library(data.table) # optional, for data import and handling
library(magrittr) # optional, for piping with %>%


############################ Test code ##############################

# Import dataset and prepare it for SurveyOaxaca
df <- fread("tests/eff-pool-2002-2020.csv")
df[, group := 0][class == "worker", group := 0][class == "capitalist", group := 1]
df[, rentsbi := 0][rents >= renthog * 0.1 & rents > 2000, rentsbi := 1]

# Define data object simulating a suvey with sampling weigths (variable w)
data <- data.frame(
  y = df$renthog,
  x1 = df$rentsbi,
  x2 = as.numeric(as.factor(df$homeowner)) - 2,
  group = df$group,
  weights = df$facine3
)

# Apply "oaxaca_blinder_svy" function to simulated data
result <- oaxaca_blinder_svy(
  y ~ x1 + x2,
  data = data,
  group = "group",
  weights = "weights",
  R = 100
)

# Return Oaxaca-Blinder decomposition with bootestraped CI
result %>% print()
```

```
##           unex        end        coef      inter    total means1_y means2_y
## value 13366.73   77.40905   -97.44553   36.92645 13383.62 45313.20 31929.58
## CI1   11138.29 -265.60079 -1805.29179 -135.18200 10331.44 42620.16 31417.67
## CI2   17658.66  408.24384  3038.61728  249.34577 16568.86 48603.78 32526.81
##       means_dif
## value  13383.62
## CI1    10331.44
## CI2    16568.86
```

```r
# plot the Oaxaca-Blinder decomposition in bars
result["value", ][1:4] %>% as.matrix() %>% barplot()
```


0
2000
6000
10000
unex
end
coef
inter